

State of New Hampshire
Division of Plant and Property Management
Bureau of Purchase and Property
25 Capitol Street, State House Annex
Concord, New Hampshire 03301-6398

Date: 6/7/2004

Bid No.: 446

Date of Bid Opening: 6/21/2004

Time of Bid Opening: 1:30

PLEASE DIRECT ANY QUESTIONS REGARDING THIS BID TO: ODIE CHAMPAGNE, PURCHASING AGENT/kc
TEL. NO: (603) 271-3146 - FAX No. (603) 271-2700

BID INVITATION FOR: ROOF JOISTS, SUPPLY AND DELIVER

Unless specifically amended or deleted by the Division of Plant and Property Management, the following General Terms and Conditions apply to this Bid and any resulting Purchase Order or Contract.

GENERAL CONDITIONS AND INSTRUCTIONS:

NATURE OF, AND ELIGIBILITY TO RESPOND. This bid invitation is submitted in accordance with Chapter 21-1, and rules promulgated thereunder, and constitutes a firm and binding offer. A bid may not be withdrawn unless permission is obtained from the Bureau of Purchase and Property.

Bids may be issued only by the Bureau of Purchase and Property and are not transferable.

SAMPLES AND DEMONSTRATIONS. When samples are required they must be submitted free of costs and will not be returned.

Items left for demonstration or evaluation purposes shall be delivered and installed free of charge and shall be removed at no cost to the State. Demonstration units shall not be offered to the State as new equipment.

Bids. Bids must be received at the Bureau of Purchase and Property before the date and time specified for the opening. Bids must be submitted on this bid form or exact copies and must be typed or clearly printed in ink. Corrections must be initialed. Bids are to be made less Federal Excise Tax and no charge for handling unless required by law.

Bids will be made available to the public after the time of award. Bid results will be given by mail only if requested in writing and accompanied by a self-addressed, stamped business size envelope.

SPECIFICATIONS. Vendors must submit on items as specified. Proposed changes must be submitted in writing and received at the Bureau of Purchase and Property at least five (5) working days prior to the bid opening. Vendors shall be notified in writing if any changes to the specifications are made.

AWARD. The award will be made to the responsible Vendor submitting a conforming RFB meeting specifications at the lowest cost unless other criteria are noted in the RFB. Unless otherwise noted, the award may be made by individual items.

If there is a discrepancy between the unit price and the extension, the unit price will prevail.

When identical low bids are received the award will be made in accordance with the Administrative Rules.

Discounts will not be considered in making award but may be offered on the Invoice for earlier payment and will be applicable on the date of completion of delivery or receipt of Invoice, whichever is later. On orders specifying split deliveries, discounts will apply on the basis of each delivery or receipt of Invoice, whichever is later.

PATENT INFRINGEMENT. Any responding vendor who has reason to believe that any other responding vendor will violate a patent should such responding vendor be awarded the contract shall set forth in writing, prior to the date and time of opening, the grounds for his belief and a detailed description of the patent.

ASSIGNMENT PROVISION. The responding vendor hereby agrees to assign all causes of action that it may acquire under the antitrust laws of New Hampshire and the United States as the result of conspiracies, combinations, or contracts in restraint of trade which materially affect the price of goods or services obtained by the state under this contract if so requested by the State of New Hampshire.

FEDERAL FUNDS. This Division of Plant and Property Management, under RSA 21-1:14, VIII shall assure the continuation or granting of federal funds or other assistance not otherwise provided for by law by following the Federal Procurement Standards.

STATE'S OPTIONS: The Bureau of Purchase and Property reserves the right to reject or accept all or any part of any bid, to determine what constitutes a conforming bid, to award the bid solely as it deems to be in the best interest of the State, and to waive irregularities that it considers not material to the bid.

PUBLIC INFORMATION: The responding vendor hereby acknowledges that all information relating to this bid and any resulting order (including but not limited to fees, contracts, agreements and prices) are subject to these laws of the State of New Hampshire regarding public information.

PERSONAL LIABILITY: The responding vendor agrees that in the preparation of this bid or the execution of any resulting contract or order, representatives of the State of New Hampshire shall incur no liability of any kind.

PROOF OF COMPLIANCE. The responding vendor may be required to supply proof of compliance with proposal specifications. When requested, the responding vendor must immediately supply the Bureau of Purchase and Property with certified test results or certificates of compliance. Where none are available, the State may require independent laboratory testing. All costs for such testing, certified test results or certificate of compliance shall be the responsibility of the responding vendor.

FORM OF CONTRACT. The terms and conditions set forth in any additional Terms and Conditions by the Bureau of Purchase and Property are part of the bid and will apply to any contract awarded the responding vendor unless specific exceptions are taken and accepted and will prevail over any contrary provisions in Terms and Conditions submitted by the responding vendor.

OFFER. The undersigned hereby offers to sell to the State of New Hampshire the commodities or services indicated in the following page(s) of this Bid at the price(s) quoted in complete accordance with all conditions of this Bid.

**Company
Name:** _____

Address: _____

Tel.:(local) _____ **(Toll free)** _____

Fax#: _____

**Authorized
Signature:** _____

(TYPE OR PRINT NAME)

This document must be signed by a person who is authorized to legally obligate the responding vendor. A signature on this document indicates that all State of New Hampshire terms and conditions are accepted by the responding vendor and that any and all other terms and conditions submitted by the responding vendor are null and void, even if such terms and conditions have terminology to the contrary. The responding vendor shall also be subject to State of New Hampshire terms and conditions as stated on the reverse of the purchase order.

CONTRACT TERMS AND CONDITIONS

1. The State of New Hampshire, acting through the Division of Plant and Property Management, engages the firm or individual ("the Vendor") to perform the services and/or sale of goods, described in the attached State documents, if any, and the Vendor's bid or quotation, both of which are incorporated herein by reference.

2. COMPLIANCE BY VENDOR WITH LAWS AND REGULATIONS. In connection with the performance of this agreement, the Vendor shall comply with all statutes, laws, regulations, and orders of federal, state, county or municipal authorities which shall impose any obligation or duty upon the Vendor, including, but not limited to civil rights and equal opportunity laws.

3. TERM. The contract, and all obligations of the parties thereunder, shall become effective on a specified date and shall be completed in their entirety prior to a specified date. Any work undertaken by the Vendor prior to the effective date shall be at his sole risk and, in the event that the contract shall not become effective, the State shall be under no obligation to reimburse the Vendor for any such work.

4. CONTRACT PRICE. The contract price, a payment schedule and a maximum limitation of price shall be as specified by the bid invitation and the Vendor's bid. All payments shall be conditioned upon receipt, and approval by the State, of appropriate vouchers and upon satisfactory performance by the Vendor, as determined by the State. The payment by the State of the Contract Price shall constitute complete reimbursement to the Vendor for all expenses of any nature incurred by the Vendor in the performance by the Vendor and complete payment for the Services. The State shall have no other liability to the Vendor.

5. DELIVERY. If the vendor fails to furnish items and/or services in accordance with all requirements, including delivery, the state may re-purchase similar items from any other source without competitive bidding, and the original vendor may be liable to the state for any excess costs.

If a vendor is unable to complete delivery by the date specified, he must contact the using agency. However, the agency is not required to accept a delay to the original delivery date. All deliveries are subject to inspection and receiving procedure rules as established by the State of New Hampshire. Deliveries are not considered accepted until compliance with these rules has been established. State personnel signatures on shipping documents shall signify only the receipt of shipments. All deliveries shall be FOB Destination.

6. INVOICING. All invoices must be in triplicate showing Order Number, Unit and Extension Prices and discounts allowed. A separate invoice shall be submitted for each order. Unless otherwise noted on the invitation to bid or purchase order, payment will not be due until thirty (30) days after all services have been completed, or all items have been delivered, inspected and accepted or the invoice has been received at the agency business office, whichever is later.

7. PERSONNEL.

7.1. The Vendor shall disclose in writing the names of all owners (5% or more), directors, officers, employees, agents or subcontractors who are also officials or employees of the State of New Hampshire. Any change in this information shall be reported in writing within fifteen (15) days of their occurrence.

7.2. The person signing this agreement on behalf of the State, or his or her delegee ("Contracting Officer") shall be the State's representative for purposes of this agreement. In the event of any dispute concerning the interpretation of this agreement, the Contracting Officer's decision shall be final.

8. EVENT OF DEFAULT; REMEDIES.

8.1. Any one or more of the following acts or omissions of the Vendor shall constitute an event of default hereunder ("Events of Default"):

8.1.1. failure to deliver the goods or services satisfactorily or on schedule; or

8.1.2. failure to submit any report required hereunder; or

8.1.3. failure to perform any of the other covenants and conditions of this agreement.

8.2. Upon the occurrence of any Event of Default, the State may take any one, or more, or all, of the following actions:

8.2.1. give the Vendor a written notice specifying the Event of Default and requiring it to be remedied within, in the absence of a greater or lesser specification of time, thirty (30) days from the date of the notice; and if the Event of Default is not timely remedied, terminate this agreement, effective two (2) days after giving the Vendor notice of termination; and

8.2.2. give the Vendor a written notice specifying the Event of Default and suspending all payments to be made under this agreement and ordering that the portion of the Contract Price, which would otherwise accrue to the Vendor during the period from the date of such notice until such time as the State determines that the Vendor has cured the Event of Default, shall never be paid to the Vendor; and

8.2.3. set off against any other obligation the State may owe to the Vendor any damages the State suffers by reason of any Event of Default; and

8.2.4. treat the agreement as breached and pursue any of its remedies at law or in equity, or both.

9. WAIVER OF BREACH. No failure by the State to enforce any provisions hereof after any Event of Default shall be deemed a waiver of its rights with regard to that Event, or any subsequent Event. No express failure of any Event of Default shall be deemed a waiver of any provision hereof. No such failure or waiver shall be deemed a waiver of the right of the State to enforce each and all of the provisions hereof upon any further or other default on the part of the Vendor.

10. VENDOR'S RELATION TO THE STATE. In the performance of this agreement the Vendor is in all respects an independent contractor, and is neither an agent nor an employee of the State. Neither the Vendor nor any of its officers, employees, agents or members shall have authority to bind the State nor are they entitled to any of the benefits, workmen's compensation or emoluments provided by the State to its employees.

11. ASSIGNMENT AND SUBCONTRACTS. The Vendor shall not assign, or otherwise transfer any interest in this agreement without the prior written consent of the State. No work required by this contract shall be subcontracted without the prior written consent of the State.

12. INDEMNIFICATION. The contractor shall defend, indemnify and hold harmless the State, its officers and employees, from and against any and all losses suffered by the State, its officers and employees, and any and all claims, liabilities or penalties asserted against the State, its officers and employees, by or on behalf of any person, on account of, based on, resulting from, arising out of (or which may be claimed to arise out of) the acts or omissions of the Vendor. Notwithstanding the foregoing, nothing herein contained shall be deemed to constitute a waiver of the sovereign immunity of the State, which immunity is hereby reserved to the State. This covenant shall survive the termination of this agreement.

12.1 PATENT PROTECTION. The seller agrees to indemnify and defend the State of New Hampshire from all claims and losses resulting from alleged and actual patent infringements and further agrees to hold the State of New Hampshire harmless from any liability arising under RSA 382-A:2-312(3). (Uniform Commercial Code).

13. TOXIC SUBSTANCES. In compliance with RSA 277-A known as the Workers Right to Know Act, the vendor shall provide Material Safety Data Sheets with the delivery of any and all products covered by said law.

14. NOTICE. Any notice by a party hereto to the other party shall be deemed to have been duly delivered or given at the time of mailing by certified mail, postage prepaid, in a United States Post Office addressed to the parties at the addresses given below.

15. AMENDMENT. This agreement may be amended, waived or discharged only by an instrument in writing signed by the parties hereto.

16. CONSTRUCTION OF AGREEMENT AND TERMS. This agreement shall be construed in accordance with the laws of the State of New Hampshire, and is binding upon and inures to the benefit of the parties and their respective successors and assigns.

17. ADDITIONAL PROVISIONS. The additional provisions (if any) have been set forth as Exhibit "A" hereto.

18. ENTIRE AGREEMENT. This agreement, which may be executed in a number of counterparts, each of which shall be deemed an original, constitutes the entire agreement and understanding between the parties, and supersedes all prior agreements and understandings relating hereto.

BID INVITATION FOR: ROOF JOISTS, SUPPLY AND DELIVER

PURPOSE:

The purpose of this bid invitation is to establish a contract in the form of a purchase order for supplying the State of New Hampshire, Department of Transportation with *ROOF JOISTS*, in accordance with the requirements of this bid invitation and any resulting order. These item(s) shall be a one time order with delivery required to the location/s indicated in the F.O.B. section of this bid invitation .

SPECIFICATION COMPLIANCE:

Bidder's offer must meet the required specifications as written.

VENDOR CERTIFICATIONS:

All bidders must be duly registered as a vendor authorized to conduct business in the State of New Hampshire.

STATE OF NEW HAMPSHIRE VENDOR APPLICATION:

Bidders must have a completed Vendor Application and W-9 Form on file with the NH Bureau of Purchase and Property. See the following website for information on obtaining and filing the required forms (no fee):

<http://www.admin.state.nh.us/purchasing/>

NEW HAMPSHIRE SECRETARY OF STATE REGISTRATION:

A person or persons conducting business under any name other than his/her own legal name must register with the NH Secretary of State. Businesses are classified as "Domestic" (in-state) or "Foreign" (out-of-state). Please visit the following website to find out more about the requirements and filing fees for both classifications:

<http://www.nh.gov/sos/corporate/>

BID PRICES:

Bid prices shall include delivery and all other costs. Bid prices should be government and/or educationally discounted prices.

F.O.B.:

The F.O.B. shall be destination to the following delivery point:

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
TRAFFIC BUREAU
220 SHEEP DAVIS ROAD
CONCORD, NH 03301

REQUISITION NO.: 204102

OFFER:

Successful bidder hereby offers to sell the required items to the State of New Hampshire at the following price(s):

The unit prices and extensions indicated should be government and/or educationally discounted prices.

<u>QTY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>	<u>DELIVERED PRICES</u>	
			<u>UNIT</u>	<u>EXTENSION</u>
2728+/-	LF	Roof Joists, 3 1/2" x 11 7/8" Wood BCI 900, or comparable Material must meet building codes	\$ _____	\$ _____

The truss-joists shall be designed to resist balanced and unbalanced **snow load** conditions in accordance with IBC 2000. The minimum flat roof snow load shall be 45 psf. The truss-joists shall be designed to resist **wind load** conditions in accordance with IBC 2000. The truss joists shall be designed to support 10 psf in addition to the self weight of the truss joists. (**dead load**)

The truss joists shall be designed to meet the requirements of IBC 2000.

MANUFACTURER: Company specializing in manufacturing products specified in this section shall have a minimum of three (3) years experience.

DESIGN: Joists design shall be under direct supervision of a professional Engineer experienced in this design of work and licensed in NH shop drawings and calculations and shall be submitted for our records with a professional engineers stamp of approval.

2520 +/- LF	1" x 5" x 16' Hemlock
370 +/- LF	2" x 6" x 16' Const. Sill Plates

Diagrams attached.

Ship complete with no back orders or split shipments. Shipment must be coordinated with the Traffic Bureau.

TO BE AWARDED IN TOTAL

TOTAL \$ _____

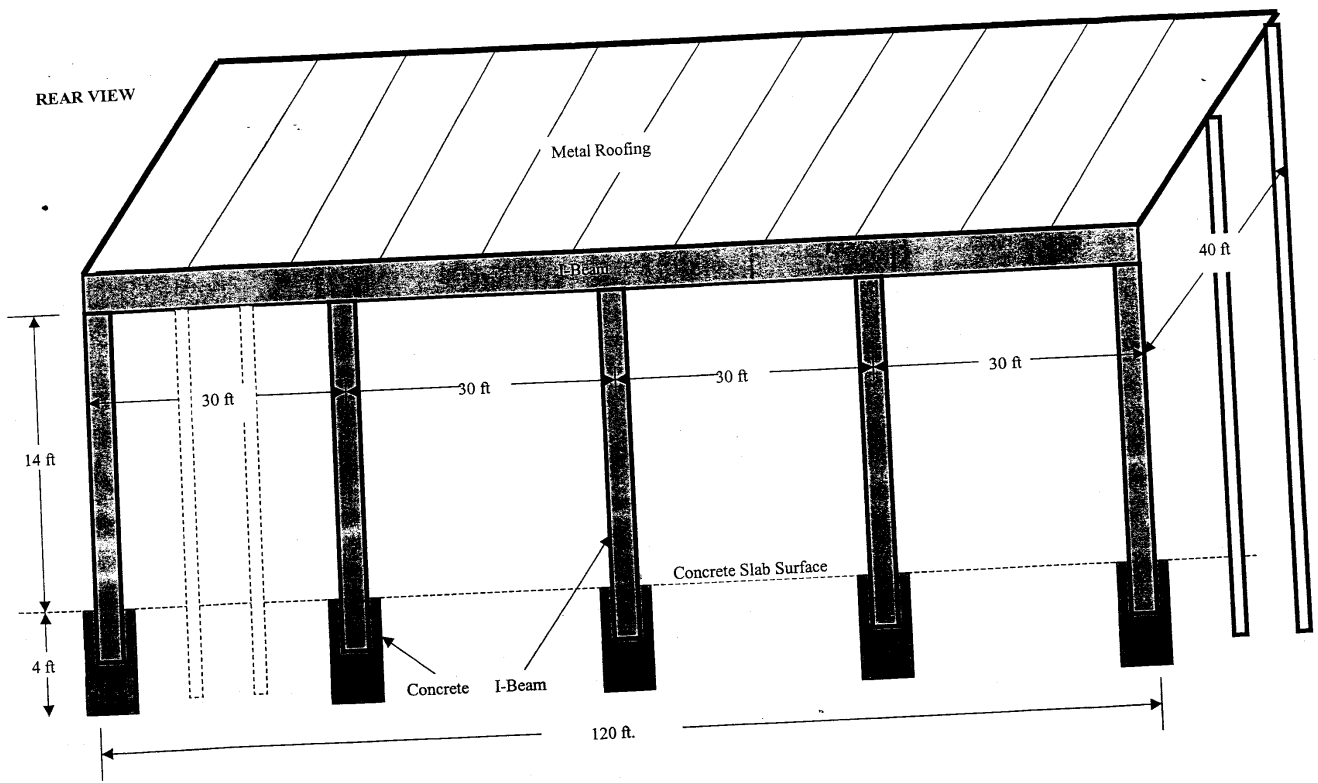
DELIVERY TIME:

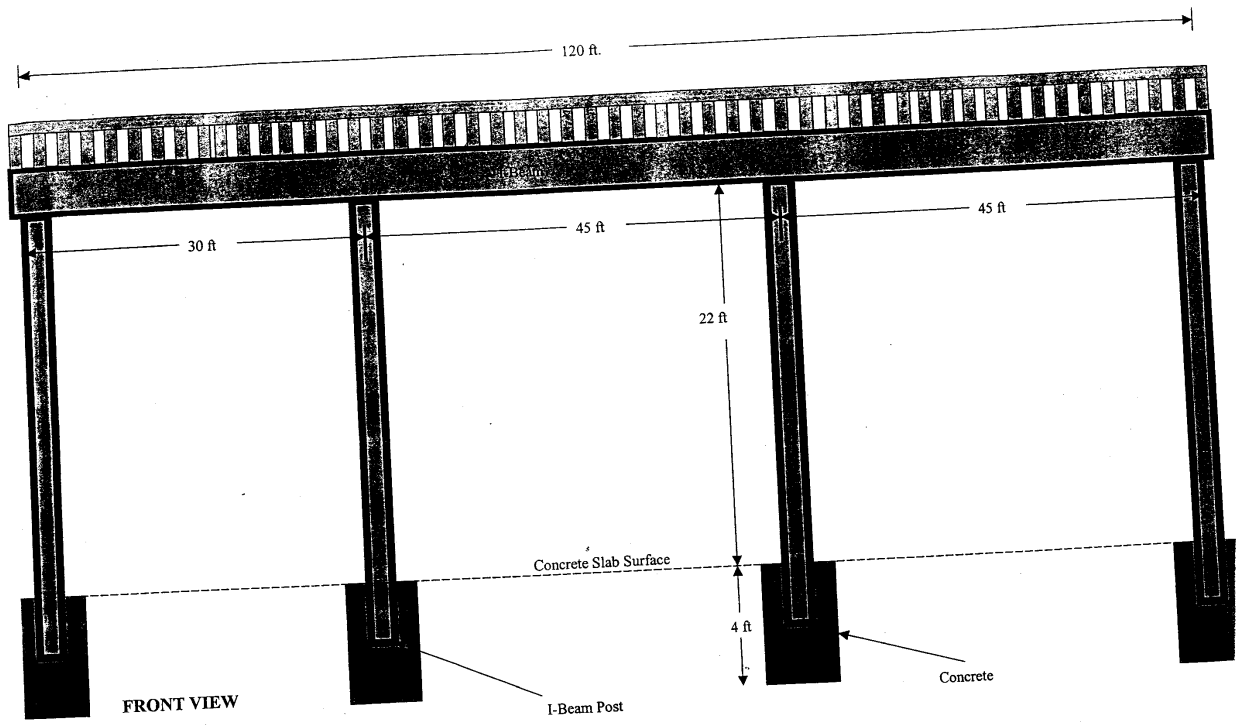
Successful bidder hereby agrees to accomplish delivery of any item awarded within _____ days after receipt of the order.

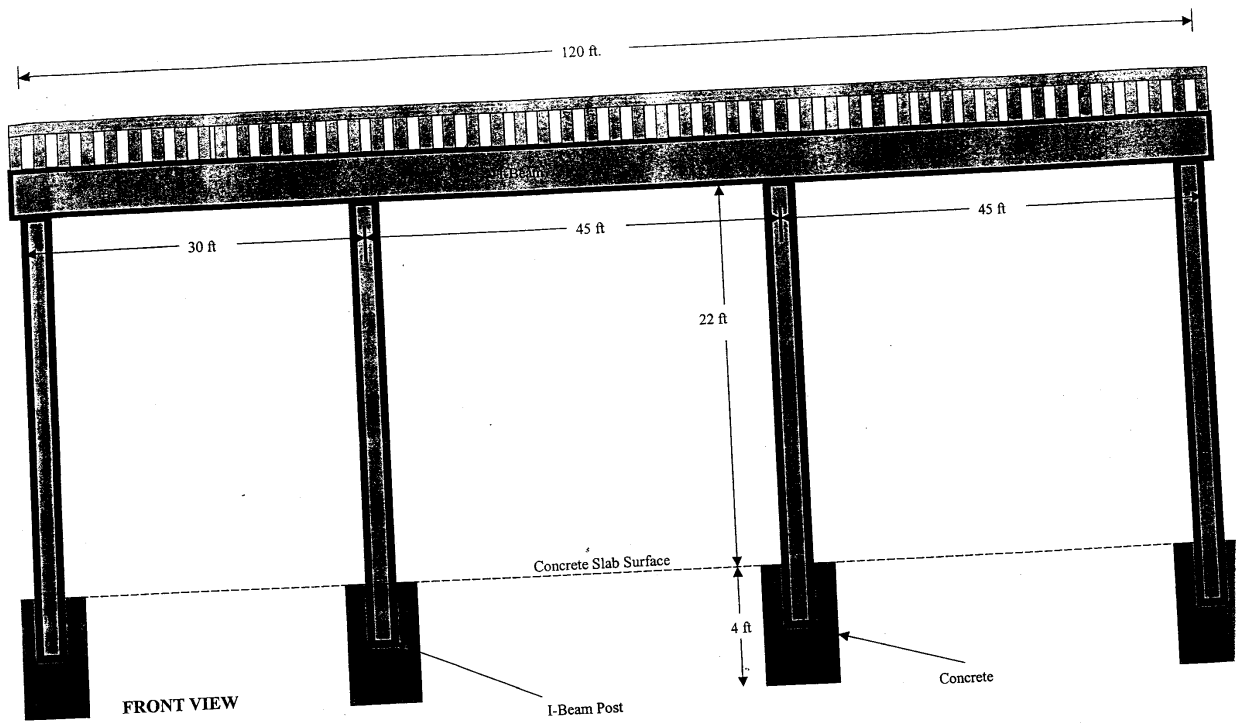
BID RESULTS:

Bid results will not be given over the telephone. Bid results will be mailed to you if you include a self addressed envelope with the correct amount of postage on it. Bid results may also be viewed on our web site at: <http://admin.state.nh.us/purchasing/bids.htm>

NOTE: BID MUST BE SIGNED ON FRONT COVER SHEET TO BE CONSIDERED.

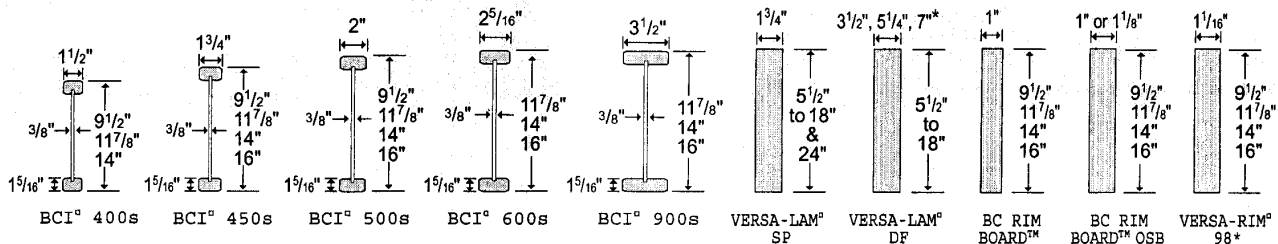




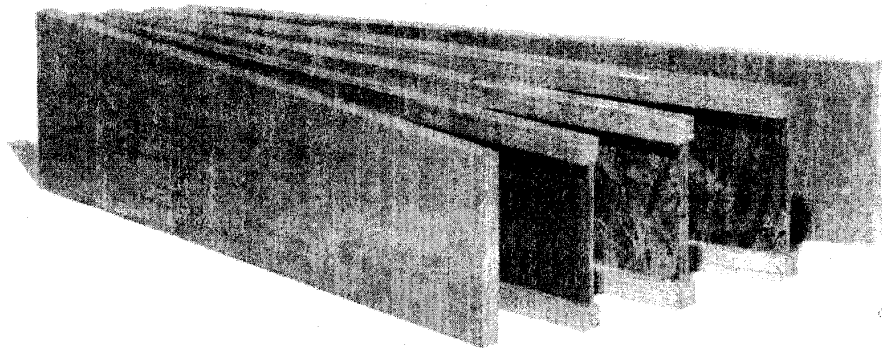


Eastern Product Profiles

3



*Product may not be available. Check with supplier or Boise representative for availability.



BCI° Joist Architectural Specifications

Scope: This work includes the complete furnishing and installation of all BCI° Joists as shown on the drawings, herein specified and necessary to complete the work.

Materials: BCI° Joists shall be manufactured by Boise Engineered Wood Products with oriented strand board webs, VERSA-LAM° laminated veneer lumber flanges and water-proof, structural adhesives.

Joist webs shall be graded Structural I Exposure 1 by an agency listed by a model code evaluation service. Strands on the face layers of the web panels shall be oriented vertically in the joist. The web panels shall be glued together to form a continuous web member. The web panels shall be machined to fit into a groove in the center of the wide face of the flange members so as to form a pressed glue joint at that junction.

Design: The BCI° Joists shall be sized and detailed to fit the dimensions and loads indicated on the plans. All designs shall be in accordance with allowable values and section properties developed in accordance with ASTM D5055 and listed in the governing code evaluation service's report.

Drawing: Additional drawings showing layout and detail necessary for determining fit and placement in the building are (are not) to be provided by the supplier.

Fabrication: The BCI° Joists and section properties shall be manufactured in a plant evaluated for fabrication by the governing code evaluation service and under the supervision of a third party inspection agency listed by the corresponding evaluation service.

Storage and Installation: The BCI° Joists, if stored prior to erection, shall be stored in a vertical and level position and protected from the weather. They shall be handled with care so they are not damaged.

The BCI° Joists are to be installed in accordance with the plans and the Boise Engineered Wood Products Installation Guide. Temporary construction loads which cause stresses beyond design limits are not permitted. Erection bracing shall be provided to keep the BCI° Joists straight and plumb as required and to assure adequate lateral support for the individual BCI° Joists and the entire system until the sheathing material has been applied.

Codes: The BCI° Joists shall be evaluated by a model code evaluation service.

Residential Floor Span Tables

Joist Depth	BCI® Joist Series	★★★ THREE STAR ★★★					★★★★ FOUR STAR ★★★★★					CAUTION ★ MINIMUM STIFFNESS ALLOWED BY CODE ★ CAUTION				
		12" o. c.	16" o. c.	19.2" o. c.	24" o. c.	32" o. c.	12" o. c.	16" o. c.	19.2" o. c.	24" o. c.	32" o. c.	12" o. c.	16" o. c.	19.2" o. c.	24" o. c.	32" o. c.
9½"	400s	17'-3"	15'-9"	14'-11"	13'-10"	12'-3"	11'-5"	11'-5"	11'-1"	10'-9"	9'-9"	19'-0"	17'-5"	16'-2"	14'-5"	12'-3"
	450s	17'-11"	16'-5"	15'-6"	14'-5"	13'-2"	11'-10"	11'-10"	11'-5"	11'-2"	10'-2"	19'-10"	18'-2"	17'-2"	15'-8"	13'-4"
	500s	18'-7"	17'-0"	16'-0"	14'-11"	13'-7"	12'-3"	12'-3"	11'-10"	11'-6"	10'-5"	20'-7"	18'-10"	17'-9"	16'-7"	14'-3"
11⅞"	400s	20'-5"	18'-8"	17'-8"	16'-6"	14'-1"	14'-10"	14'-7"	13'-9"	12'-9"	11'-7"	22'-7"	20'-5"	18'-8"	16'-8"	14'-1"
	450s	21'-4"	19'-6"	18'-5"	17'-2"	15'-0"	15'-4"	15'-2"	14'-4"	13'-4"	12'-1"	23'-7"	21'-7"	20'-3"	18'-1"	15'-0"
	500s	22'-2"	20'-3"	19'-1"	17'-9"	15'-0"	15'-10"	15'-9"	14'-10"	13'-9"	12'-6"	24'-6"	22'-4"	21'-2"	19'-5"	15'-0"
	600s	23'-0"	21'-0"	19'-9"	18'-5"	16'-9"	17'-11"	16'-4"	15'-4"	14'-3"	12'-11"	25'-5"	23'-3"	21'-11"	20'-5"	17'-3"
	900s	26'-0"	23'-8"	22'-3"	20'-9"	18'-10"	20'-3"	18'-5"	17'-3"	16'-0"	14'-5"	28'-9"	26'-2"	24'-8"	23'-0"	19'-4"
14"	400s	23'-3"	21'-3"	20'-1"	18'-5"	14'-3"	18'-2"	16'-7"	15'-7"	14'-6"	13'-2"	25'-8"	22'-7"	20'-7"	18'-5"	14'-3"
	450s	24'-2"	22'-1"	20'-11"	19'-6"	15'-2"	18'-11"	17'-3"	16'-3"	15'-1"	13'-8"	26'-9"	24'-6"	22'-5"	20'-0"	15'-2"
	500s	25'-1"	22'-11"	21'-8"	20'-2"	15'-2"	19'-8"	17'-10"	16'-10"	15'-7"	14'-2"	27'-9"	25'-4"	23'-11"	20'-3"	15'-2"
	600s	26'-1"	23'-9"	22'-5"	20'-10"	17'-5"	20'-4"	18'-6"	17'-5"	16'-2"	14'-7"	28'-10"	26'-4"	24'-10"	23'-1"	17'-5"
	900s	29'-5"	26'-9"	25'-3"	23'-6"	19'-6"	23'-0"	20'-10"	19'-7"	18'-2"	16'-5"	32'-6"	29'-8"	28'-0"	26'-0"	19'-6"
16"	450s	26'-10"	24'-6"	23'-2"	20'-5"	15'-4"	21'-0"	19'-1"	18'-0"	16'-9"	15'-2"	29'-8"	26'-7"	24'-3"	20'-5"	15'-4"
	500s	27'-9"	25'-4"	23'-11"	20'-5"	15'-4"	21'-9"	19'-9"	18'-8"	17'-4"	15'-4"	30'-8"	28'-1"	25'-7"	20'-5"	15'-4"
	600s	28'-10"	26'-4"	24'-10"	23'-1"	17'-7"	22'-7"	20'-6"	19'-4"	17'-11"	16'-2"	31'-11"	29'-1"	27'-6"	23'-5"	17'-7"
	900s	32'-6"	29'-7"	27'-11"	25'-11"	19'-7"	25'-5"	23'-1"	21'-8"	20'-1"	18'-2"	36'-0"	32'-9"	30'-11"	26'-2"	19'-7"

- Table values assume that 23/32" min. plywood/OSB rated sheathing is glued and nailed to the joists.
- Table values represent the most restrictive of simple or multiple span applications.
- Table values are based on residential floor loads of **40 PSF live load and 10 PSF dead load**.
- Table values are the maximum allowable clear distance between supports.

- Table values assume minimum bearing lengths without web stiffeners for joist depths of 16 inches and less.
- This table was designed to apply a broad range of applications. It may be possible to exceed the limitations of this table by analyzing a specific application with the BC CALC® software.

- ★★★ *Live Load deflection limited to L/480.*
- ★★★★ *Live Load deflection limited to L/960 to provide a floor that is much stiffer for the more discriminating purchaser.*
- ★ *Live Load deflection limited to L/360 as allowed by the building code. (Shaded values do not satisfy the requirements of the North Carolina State Building Code. Refer to the THREE STAR table when spans exceed 20 feet.)*

About Floor Performance

The performance of a floor is a matter of opinion, the "feel" that might be acceptable to one person may not be acceptable to another. Many factors affect the perceived performance of a floor system, some of them are:

- The depth of the joist
- Continuous or simple spans
- Decking and flooring material
- Gluing and nailing the decking
- On-center spacing of the joist system
- Lack of drywall attached to underside of joist
- Level bearings
- Location of walls and furniture

To improve the performance of a floor system, a designer will frequently change the deflection criteria from L/360 to L/480 or higher. One way to accomplish this is by reducing the on-center spacing of the joist. The load capacity of the joist system will be increased but the "feel" of the floor system will not be significantly changed. The stiffness of a floor system is significantly increased and the vibration is reduced by increasing the joist depth. To illustrate this, see the BCI® span table above.

